



PATENT  
P56905

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

TERAO, YOSHITAKA, et al.

Serial No.: 10/629,793

Examiner: WILLIAMS, JOSEPH

Filed: 30 July 2003

Art Unit: 2879

For: *PLASMA DISPLAY PANEL AND MANUFACTURING METHOD THEREOF*

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O.Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, and §§1.97 and 1.98 as amended, Applicant cites, describes, and provides copies of the following art references:

**FOREIGN PATENT REFERENCE(S):**

- Japanese Patent Publication No. 11-273557 to Yura, *et al.*, entitled *MANUFACTURE OF PLASMA DISPLAY PANEL AND INK JET PRINTER APPARATUS EMPLOYED THE MANUFACTURE*, published on 8 October 1999; and
- Korean Patent No. 10-0303907 to Kuroki, *et al.*, entitled *SURFACE DISCHARGE TYPE PDP*, issued on 16 July 2001.

Folio: P56905  
Date: 8/3/2005  
I.D.: REB/hp

## **DISCUSSION**

As written in the Office action issued by the Korean Intellectual Property Office on the 25<sup>th</sup> of November 2004 in applicant's corresponding Korean Patent Application No. 10-2003-0002410 & 10-2003-002411 corresponding to applicant's above-captioned U.S. Patent Application, **Yura *et al.*'JP557** relates to plasma display panel manufacturing method includes a process of printing electrodes, a color filter, and a black matrix or phosphors on the surface 18 roughened substrate 16 by an ink jet printer, and a process of removing an organic component contained in the printed ink by firing. Instead of the surface roughening of the substrate 16, an ink absorptive layer of an organic material is formed. This ink jet printer apparatus tube used for the method comprises a means for heating the substrate 16 and a means for cooling a nozzle head 11. The head of the ink jet printer apparatus is provided with a plurality of nozzles 12 arranged in a line at fixed intervals and a means for rotating the head around the rotary axis vertical to the printing face.

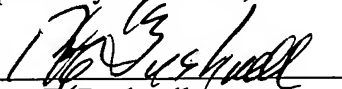
**Kuroki *et al.*'KR 907** discloses that to prevent erroneous discharge in a boundary of a partial screen in the case a display screen is divided and addressing is carried out at high speed. In this PDP (plasma display panel), a plurality of main electrode pairs consisting of a first and a second sustain electrodes X, Y are arranged in a first substrate 11 and a plurality of address electrodes A are arranged on a second substrate 21 as to cross these main electrode pairs and electrode matrix corresponding to a display screen E1 is composed of the main electrode pairs and the address electrodes A. In this case, respective address electrodes A are divided into mutually parted partial

address electrodes A1, A2 at the middle positions of mutually neighboring main electrode pairs in the row direction as the dividing positions and consequently, the display screen E1 is divided into a plurality of partial screens E11, E12 and the gap between the partial electrodes A1, A2 is made practically wider than the gap between neighboring main electrode pairs.

This information Disclosure Statement has been filed prior to a first Office Action on the merits. Accordingly, no fees are incurred.

The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-ranging and thorough search of the relevant art.

Respectfully submitted,




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Folio: P56905  
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| <b>INFORMATION DISCLOSURE STATEMENT</b><br>PTO-1449 (PAGE 1 OF 1)<br> | SERIAL NUMBER 10/629,793               | DOCKET NO. P56905 |
|  | APPLICANT CHA-KEUN YOON, <i>et al.</i> |                   |
|  | FILING DATE 30 July 2003               | GROUP 2879        |

| U.S. PATENT DOCUMENTS |                 |      |      |       |          |             |  |
|-----------------------|-----------------|------|------|-------|----------|-------------|--|
| EXAMINER              | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |  |
|                       |                 |      |      |       |          |             |  |
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| FOREIGN PATENT DOCUMENTS |                 |       |         |       |          | TRANSLATION |    |
|--------------------------|-----------------|-------|---------|-------|----------|-------------|----|
|                          | DOCUMENT NUMBER | DATE  | COUNTRY | CLASS | SUBCLASS | YES         | NO |
|                          | JP 11-273557    | 10/99 | JAPAN   |       |          | Abstract    |    |
|                          | KR 10-0303907   | 07/01 | KOREA   |       |          | Abstract    |    |
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| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) |  |
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.